Dr D.P. Steenson is a Senior Lecturer at the University of Leeds with over 30 years of research and development and teaching experience in High- frequency Electronics and Micro-fabrication, with broad interests covering material science, microwave & millimetre wave circuit and component design and manufacture for applications in communications and remote sensing, and also including Er-ion doped thin-film glass on semiconductor and microfluidics and microelectrode arrays and manifolds for use in Electro- and Neuro-physiology research, where smart wearable remote sensor networks, herald a whole new approach to remote diagnostics and health management.